

Attorney's Docket No.: 10637-006001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hermansky et al.                      Art Unit : 2654  
Serial No. : 09/714,806                      Examiner : Angela A. Armstrong  
Filed : November 16, 2000  
Title : NONLINEAR MAPPING FOR FEATURE EXTRACTION IN AUTOMATIC  
SPEECH RECOGNITION

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT IN REPLY TO ACTION OF NOVEMBER 30, 2004

The applicant respectfully requests reconsideration in view of the following remarks.

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Page : 4 of 4

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to 52- $n$ , each of which estimates the subword probability within the spectral band input to it. The separate sets of posterior probabilities are combined, in a merging MLP 54, into a single set of merged probabilities. See Specification, page 6. The applicant respectfully submits that one of ordinary skill in the art would know how to connect outputs of MLPs 52-1 to 52- $n$  to inputs of MLP 54, as shown in FIG. 3. Furthermore, one of ordinary skill in the art would know that MLPs can be non-linear because non-linear MLPs are well known and described in college texts. For the above reasons, the applicant respectfully submits that the rejection is improper.

The applicant respectfully requests that all pending claims be allowed. Please apply \$55, as well as any other appropriate charges or credits, to deposit account 06-1050.

Respectfully submitted,

Date: MARCH 25, 2005

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